SONY

3-864-028-**11**(1)

Remote Commander

Operating Instructions

RM-U401

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Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

On operation

Before connecting other components, be sure to turn off and unplug the receiver.

On cleaning

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any question or problem concerning your receiver, please consult your nearest Sony dealer.

About This Manual

The instructions in this manual are for model RM-U401. Check your model number by looking at the lower right corner of the front side.

Conventions

The following icon is used in this manual:

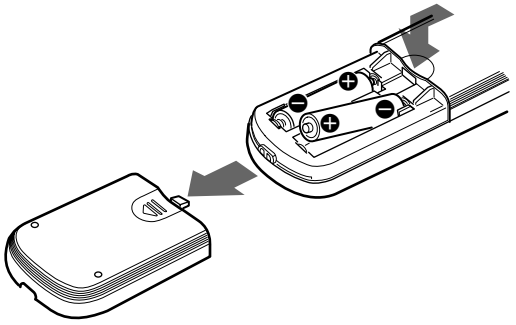
Indicates hints and tips for making the task easier.

Before You Use Your Remote

Check that you received the following item with the remote:
R6 (size-AA) batteries (2)

Inserting batteries into the remote

Insert two R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor ▣ on the receiver.



When to replace batteries

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace both batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor of the receiver to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

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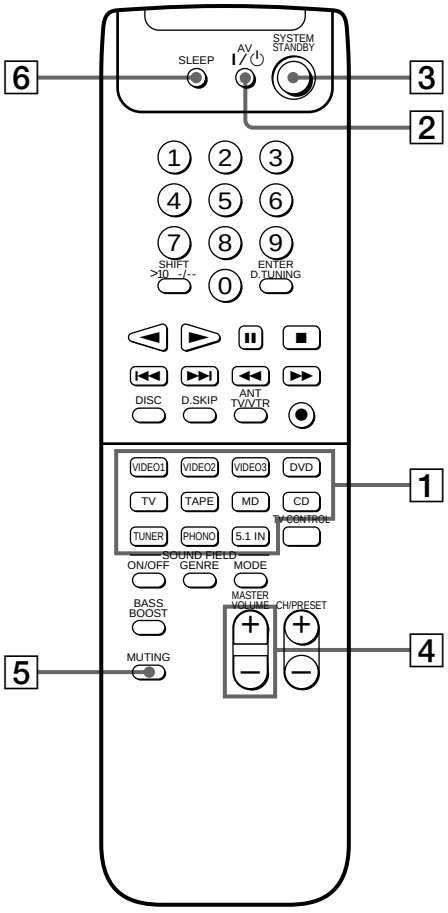
Location of Parts and Basic Remote Operations

This chapter provides information on the location of buttons and how to use them to perform basic operations.

Parts Description



1 Function buttons

Press one of the buttons to select the component you want to use. When you press a button, the receiver and the selected component turn on. If the component does not turn on, press the power switch on the component.

To select	Press
VCR	VIDEO1 (VCR mode 3), VIDEO2 (VCR mode 1), or VIDE3 (VCR mode 2)*
DVD player	DVD
TV, DBS tuner, or LD player	TV
Tape deck	TAPE
MD deck	MD
CD player	CD
Built-in tuner	TUNER
Turntable	PHONO
the component connected to the 5.1/DVD INPUT jacks on the receiver	5.1 IN

* *Sony VCRs become operable when you press the VIDEO1, 2, or 3 button. These buttons correspond to VHS, Beta, and 8mm, respectively.*

See the table on page 10 for information on the buttons you can use to control each component.

Note that the function buttons are factory-set as described in the table above. If you want to change the factory setting of the buttons to match your particular components, do the procedure "Changing the Factory Setting of a Function Button" on page 12.

Notes

- Before you turn on the receiver, make sure that you have turned the MASTER VOLUME control on the receiver to the leftmost position to avoid damaging your speakers.
- After you have selected VCR or DVD player, turn on the TV and set the TV's video input to match the component you selected.

2 AV ⏻ switch

Press to turn the audio and video components on or off.

3 SYSTEM STANDBY switch

Press to turn off the receiver and other audio/video components at the same time.

4 MASTER VOLUME +/– buttons

Press to adjust the volume level of all speakers at the same time.

If you have pressed the TV CONTROL button:
Press to adjust the volume level of the TV speakers.

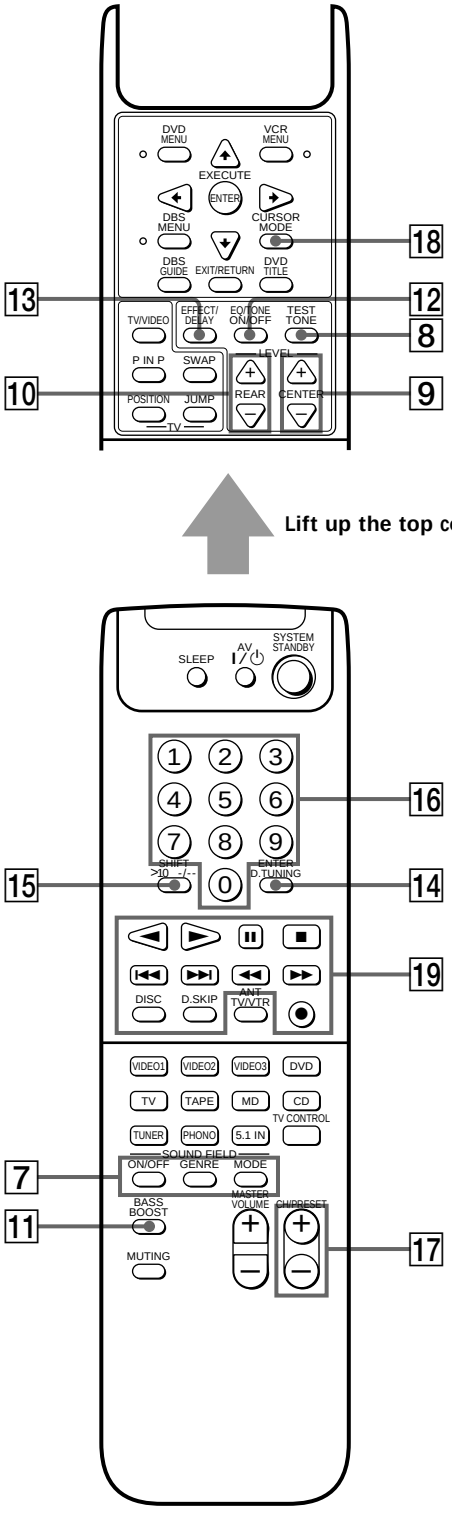
5 MUTING button

Press to mute the sound. The indicator to the left of the MUTING button on the receiver lights up when the sound is muted.

If you have pressed the TV CONTROL button:
Press to mute the sound from the TV.

6 SLEEP button

Press repeatedly to activate the sleep function and the duration which the receiver turns off automatically.



7 SOUND FIELD ON/OFF button

Press to turn the sound field on or off.

GENRE button

Press to select the sound field group you want.

MODE button

Press to select a sound field from the group you selected.

8 TEST TONE button

After selecting the PRO LOGIC sound field, press to output a test tone.

9 LEVEL CENTER +/– buttons

Press to adjust the volume level of the center speaker.

10 LEVEL REAR +/– buttons

Press to adjust the volume level of the rear speakers.

11 BASS BOOST button

Press to increase the bass of the front speakers. The BASS BOOST indicator on the receiver lights up when the function is turned on.

12 EQ/TONE ON/OFF button

Press to turn the tone effect on or off. The TONE indicator on the receiver lights up while the tone effect is turned on.

Note that if you have adjusted the tone using the CURSOR MODE button and cursor buttons, the adjusted tone will be produced whenever you turn on the tone effect.

13 EFFECT/DELAY button

Press the button repeatedly to adjust the amount of effect or delay time*.

* *"DELAY" appears on the display window on the receiver only when the PRO LOGIC sound field is selected; "EFFECT" appears when a sound field except PRO LOGIC is selected.*

Note

The EFFECT / DELAY button does not operate on receivers that have the CURSOR MODE button.

14 ENTER D.TUNING button

If you have selected tuner:
Press to enter direct tuning mode.

If you have selected VCR, DVD player, LD player, TV, DBS tuner, tape deck, MD deck, or CD player:
After selecting a channel, disc, or track using the numeric buttons, press to enter the value.

15 SHIFT >10 -/-- button

If you have selected tuner:
Press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

If you selected VCR, TV, LD player, tape deck, MD deck, or CD player:
Press before inputting a channel or track number of eleven or higher.

16 Numeric buttons (1 to 0)

Inputs the correponding numeric value. When inputting a channel, disc, or track number, 0 selects 10.

17 CH/PRESET +/– buttons

Press repeatedly to select a preset station or channel.

18 CURSOR MODE button

Press this button repeatedly to select any of the following three cursor modes. The indicator for the selected cursor mode lights up to the left of the display window on the receiver. The indicator turns off when you press the SET UP button on the receiver.

When the cursor mode is	You can
SURROUND	Change the delay time and the effect level
BASS / TREBLE or EQ	Adjust the tone (bass / treble) of the front speakers. Press the EQ / TONE ON / OFF button to activate the tone effect.
INDEX	Enter an index name for a preset station or program source

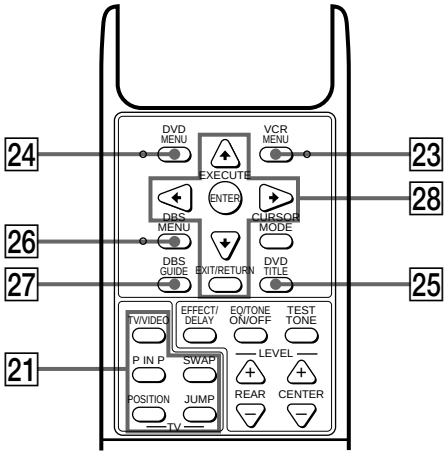
Note
The CURSOR MODE button does not operate on receivers that have no cursor buttons.

19 Tape/disc operation buttons

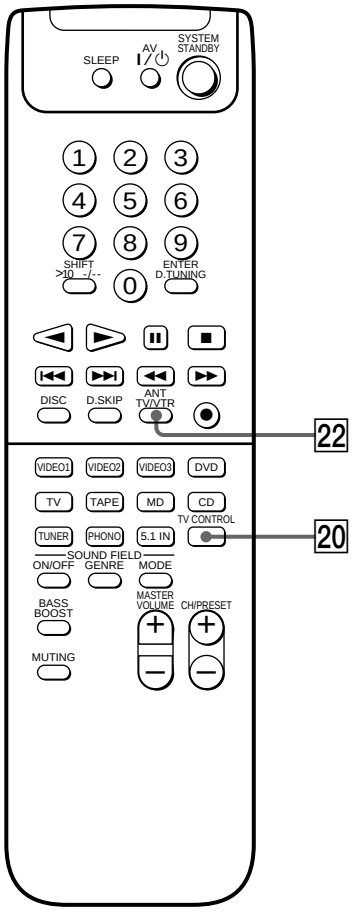
The following table describes the component operated by each button and the function of the buttons.

Button(s)	Component(s)	Function
◄	Tape deck	Starts play on the reverse side of the cassette
►	VCR, DVD player, LD player, tape deck, MD deck, CD player, DAT deck	Starts play on the front side of the cassette
❚❚	VCR, DVD player, LD player, tape deck, MD deck, CD player, DAT deck	Pauses play or recording or starts recording when the component is in recording standby
■	VCR, DVD player, LD player, tape deck, MD deck, CD player, DAT deck	Stops play
⏮ / ⏭	VCR, DVD player, LD player, tape deck, MD deck, CD player, DAT deck	Skips tracks
◄◄ / ►►	VCR, LD player, tape deck, MD deck, DAT deck	Fastwinds or rewinds
	DVD player, CD player	Searches tracks in the forward or backward direction
●	VCR, tape deck, MD deck, DAT deck	Sets the tape deck in recording standby
● + ► (if pressed together)	VCR, Tape deck, DAT deck	Starts recording. You can press ◄ for the tape deck or DAT deck instead of ►.
DISC	CD player	Selects a disc (CD player with a multi-disc changer only)
D.SKIP	CD player	Skips a disc (CD player with a multi-disc changer only)

See the table on page 10 for information on the buttons that you can use to control each component.



Lift up the top cover.



20 TV CONTROL button

If you are using a Sony TV, you can use this remote to operate the TV without turning on the receiver. When you press this button, the TV turns on and switches to TV input.

21 TV/VIDEO button

Press to change the input mode of the TV.

P IN P button

Press to activate the picture-in-picture function*.

SWAP button

Press to swap the small and large pictures*.

POSITION button

Press to change the position of the small picture*.

JUMP button

Press to toggle between the previous and the current channels.

∗ *Only with Sony TVs with the picture-in-picture function.*

22 ANT TV/VTR button

Press repeatedly to select the signal to be output from the antenna terminal of the VCR (TV signal or video signal).

23 VCR MENU button

Press to display the VCR menu on the TV screen. Then use the cursor buttons on the remote to perform the menu operations (see "28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button" on page 9).

Note

After you press the VCR MENU button, the remote is set to control the VCR that corresponds with VCR 1. Before pressing the button, make sure to set the VCR input mode to VCR 1.

24 DVD MENU button

Press to display the DVD menu. Then use the cursor buttons on the remote to perform the menu operations (see "28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button" on this page).

25 DVD TITLE button

Press to display the DVD title menu. Then use the cursor buttons on the remote to perform the menu operations (see "28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button" on this page).

26 DBS MENU button

Press to display the DBS menu. Then use the cursor buttons on the remote to perform the menu operations (see "28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button" on this page).

27 DBS GUIDE button

Press to display the DBS guide. Then use the cursor buttons on the remote to perform the menu operations (see "28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button" on this page).

28 Cursor buttons (↑/↓/←/→), ENTER button, and EXIT/RETURN button

After pressing the CURSOR MODE button or SET UP button on the receiver, use the cursor buttons to make specific settings (see page 7).

After pressing the VCR MENU, DVD MENU, DVD TITLE, DBS MENU, or DBS GUIDE button, use these buttons to perform the following operations:
Cursor buttons: To select a menu item
ENTER button: To enter the selection
EXIT/RETURN button: To return to the previous menu or exit the menu

Some of these buttons do not operate after a particular button is pressed. See the table below to find out which buttons operate after which button is pressed.

Operable buttons \ The button pressed first	CURSOR MODE	DBS MENU DBS GUIDE	VCR MENU	DVD MENU DVD TITLE
Cursor buttons	●	●	●	●
ENTER		●	●	●
EXIT/ RETURN		●		●

Note

Be sure to press the cursor buttons right after you press the VCR MENU, DVD MENU, DVD TITLE, DBS MENU, or DBS GUIDE button. The cursor buttons become inactive for menu operations when:

— They are not pressed within five seconds
— You close the top cover of the remote

In either cases, the cursor buttons revert back to receiver operations.

Table of buttons that you can use to control each ccomponent

Component / Button(s)	CD player	DAT deck	MD deck	Tape deck (A and B)	LD player	VCR (VHS, Beta, 8mm)	TV	DBS tuner	DVD player
AV I/⏻	●		●		●	●	●	●	●
Numeric buttons	●	●	●	●	●	●	●	●	●
SHIFT >10 -/--	●		●	●	●	●	●		
ENTER D.TUNING	●		●	●	●	●	●	●	●
◄				●					
►	●	●	●	●	●	●			●
II	●	●	●	●	●	●			●
■	●	●	●	●	●	●			●
I◄◄ / ►►I	●	●	●	●	●	●			●
◄◄ / ►►	●	●	●	●	●	●			●
DISC	●*								
D.SKIP	●*								
ANT TV / VTR							●	●	
●		●	●	●		●			
● + ►		●		●		●			
● + ◄		●		●					

* *CD player with a multi-disc changer only.*

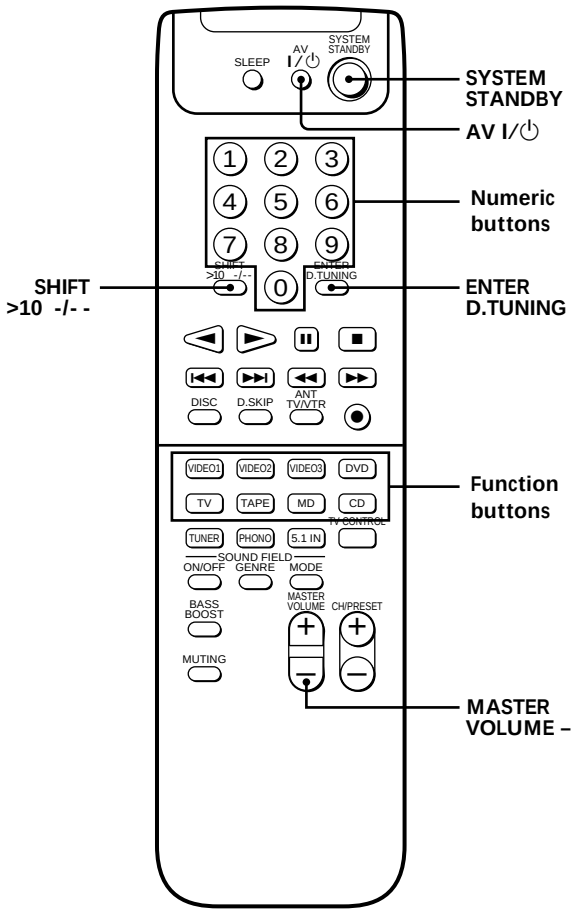
If you press the TV CONTROL button

The remote is set to operate only Sony TVs. In this case, only the following buttons are operable:

- TV / VIDEO button
- CH / PRESET + / – buttons
- MASTER VOLUME + / – buttons
- MUTING button

Advanced Remote Operations

This chapter describes how to change the factory setting of a function button.



Brief descriptions of buttons used for advanced remote operations

SYSTEM STANDBY: Press this switch together with the AV I/⏻ switch and MASTER VOLUME – button to reset all the function buttons to the factory settings.

AV I/⏻: Press this switch together with the SYSTEM STANDBY switch and MASTER VOLUME – button to reset all the function buttons to the factory settings.

Numeric buttons: Used when changing the factory settings of the function buttons.

ENTER D.TUNING: Used when changing the factory settings of the function buttons.

Function buttons: Comes with factory settings that you can change.

MASTER VOLUME –: Press this button together with the SYSTEM STANDBY and AV I/⏻ switches to reset all the function buttons to the factory settings.

SHIFT >10 -/--: Used when changing the factory settings of the function buttons.

Changing the Factory Setting of a Function Button

You can change the factory settings of the function buttons (page 5) to suit the components in your system. For example, if you connect a Sony LD player to the VIDEO 2 jacks on the receiver, you can set the VIDEO2 button on this remote to control the LD player.

Note, however, that the settings of the TUNER, PHONO, and 5.1 IN buttons cannot be changed.

1 Press the button corresponding to the component you want to assign to a function button (button 6 for the LD player, for example).
Each button and its corresponding components are shown below.

Button	Component
1	CD player
2	DAT deck
3	MD deck
4	Tape deck A
5	Tape deck B
6	LD player
7	VCR (Beta)
8	VCR (8 mm)
9	VCR (VHS)
0	TV
SHIFT >10 -/--	DBS tuner
ENTER D.TUNING	DVD player

2 While pressing down the button corresponding to the component, press down the function button whose setting is to be changed (the VIDEO2 button, for example).
The VIDEO2 button is now set to control the Sony LD player.

To reset a button to its factory setting
Repeat the procedure above.

To reset all function buttons to their factory settings
First press down MASTER VOLUME –, then AV I/⏻, and then SYSTEM STANDBY.

Additional Information

Troubleshooting

If you experience any of the following difficulties while using the receiver, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

The remote does not function.

- ➡ Point the remote at the remote sensor R on the receiver.
- ➡ Remove any obstacles in the path between the remote and the receiver.
- ➡ Replace both batteries in the remote with new ones, if they are weak.
- ➡ Make sure you select the correct function on the remote.
- ➡ Pressing TV CONTROL sets the remote to operate the TV only. If this mode is on, press a function button on the remote or one of the FUNCTION buttons on the receiver before operating the receiver or another component.

Specifications

General

Remote control system	Infrared control
Power requirements	3 V DC with two R6 (size-AA) batteries
Dimensions	210 × 56 × 268 mm ($8^{3}/_{8} \times 2^{1}/_{4} \times {}^{11}/_{16}$ inches)
Mass (approx.)	125 g (4.4 oz) excluding batteries

Design and specifications are subject to change without notice.

Sony Corporation Printed in Malaysia